

Kentucky Stroke Fact Sheet

STROKE MORTALITY IN KENTUCKY (Figure 1)

- Kentucky ranks 11th in stroke death rates for 2004, behind Arkansas, South Carolina, Alabama, Tennessee, North Carolina, Oklahoma, Georgia, Mississippi, Louisiana, and Oregon.
- Stroke accounted for 6% (2339) of all deaths in Kentucky in 2004.
- The death rate for stroke was 58.0 per 100,000 in 2004.

Stroke Mortality by Race Demographic (Table 1)

- In Kentucky, African Americans experienced the highest stroke death rate in 2004.

STROKE HOSPITALIZATIONS IN KENTUCKY (Figure 2)

- Stroke accounted for 2% (10,692) of all hospitalizations in Kentucky in 2005.
- The hospitalization rate for stroke was 25.7 per 100,000 in 2005.

STROKE RISK FACTORS IN KENTUCKY

- 30.4% of adult Kentuckians (1 in every 3) reported no physical activity in the last month in 2006.
- 28.5% of adult Kentuckians (nearly 1 in every 3) were smokers in 2006.
- 83.2% of adult Kentuckians (4 in every 5) did not consume the daily-recommended amount of fruits and vegetables in 2005.
- 66.4% of adult Kentuckians (2 in every 3) were overweight or obese in 2006.
- 28.0% of adult Kentuckians (nearly 1 in every 3) were obese (38.4% were overweight), based on reported height and weight in 2006.
- 9.9% of the adult population in Kentucky (1 in every 10) had diabetes (2006).

Risk Factors in Kentucky Compared to the Nation

- Kentucky ranks 4th in no physical activity in the previous 30 days for 2006, behind Puerto Rico, Mississippi, and Louisiana.
- Kentucky ranks 4th in less than 5 fruits and vegetables per day for 2005, behind Puerto Rico, Oklahoma, and Mississippi.
- Kentucky ranks 11th in hypertension for 2005.
- Kentucky ranks 9th in high cholesterol for 2005.
- Kentucky ranks 7th in diabetes for 2006.
- Kentucky ranks 1st in current smoking for 2006.

STROKE COSTS IN KENTUCKY

- The economic impact of stroke on the U.S. health care system continues to grow as the population ages. The cost of stroke in the United States is projected to be **\$62.7 billion** in 2007, including health care expenditures and lost productivity from death and disability.
- In Kentucky, inpatient hospitalizations for all stroke-related diagnoses for 2005 totaled over **\$242 million**.

Data Sources

- Kentucky Department for Public Health (KDPH) and Centers for Disease Control and Prevention (CDC). *Behavioral Risk Factor Surveillance System Survey Data*. Frankfort, Kentucky: Cabinet for Health and Family Services, KDPH, 1995-2005.
- Kentucky Department for Public Health (KDPH). *Death Certificate Files*. Frankfort, Kentucky: Cabinet for Health and Family Services, 1960-2004.
- Kentucky Inpatient Hospitalization Claims Files, Frankfort, KY, 2005; Cabinet for Health and Family Services, Kentucky Department for Public Health, Office of Health Policy.
- American Heart Association. *Heart Disease and Stroke Statistics – 2007 Update*. Dallas, Texas: American Heart Association; 2007.

Figure 1. Kentucky Stroke Age-Adjusted Mortality Rates (per 100,000), 2000-2004

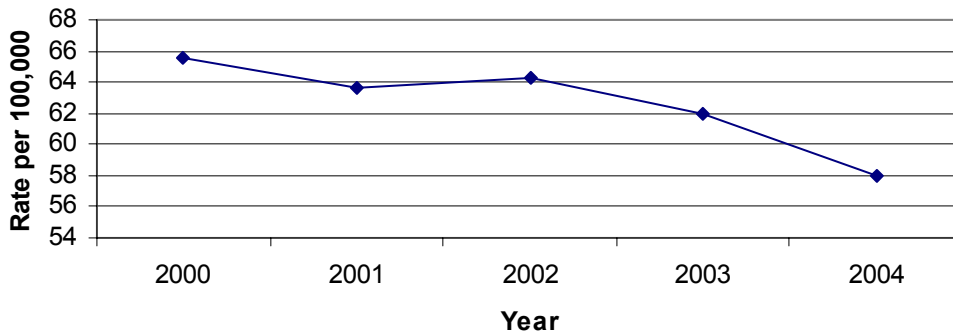


Table 1. Stroke Mortality by Race

	Crude	Comparison Age-Adjusted	
		2004	2000
All Kentuckians	56.5	58.0	307.5
White Male	326.8	395.3	384.1
White Female	349.4	281.8	251.8
African Am Male	277.1	495.1	436.2
African Am Female	294.9	348.8	326.8

*The **crude rate** is the total number of deaths divided by the population at risk. The **age-adjusted** death rate is the hypothetical death rate that would have occurred if the observed age-specific rates (death in each age group divided by the population of that age-group) were present in a population whose age distribution was that of a standard population. The age-adjusted rate controls for differences in age distribution among populations.

Figure 2. Stroke Age-Adjusted Hospitalization Rates (per 10,000) 2000-2005

